

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A luminaire comprising:

a reflector body (9) with a reflecting portion (2) provided with a coating (5) based on an inorganic sol-gel system,

the coating (5) comprising a light-transmitting binder (11),

the light-transmitting binder (11) comprising light-reflecting particles (10),

the light-reflecting particles (10) being chosen from a group formed by titanium oxide, aluminum oxide, halophosphates, calcium pyrophosphate, and strontium pyrophosphate, and

the light-reflecting particles (10) being surrounded by a skin layer (14) for improving the reflection of the coating (5).

2. (original) A luminaire as claimed in claim 1, characterized in that the light-transmitting binder (11) comprises silicon oxide particles (20).

3. (original) A luminaire as claimed in claim 2, characterized in that the size of the silicon oxide particles (20) ranges from 10 to 50 nm.

4. (currently amended) A luminaire as claimed in claim 1~~-or-2~~, characterized in that the inorganic sol-gel system is a silica-based sol-gel system.

5. (currently amended) A luminaire as claimed in claim 1~~-or-2~~, characterized in that the skin layer (14) comprises silicon oxide or aluminum oxide.

6. (currently amended) A luminaire as claimed in claim 1~~-or-2~~, characterized in that the size of the light-reflecting particles (10) ranges from 100 to 500 nm.

7. (currently amended) A luminaire as claimed in claim 1~~-or-2~~, characterized in that the thickness of the coating (5) ranges from 1 to 200  $\mu\text{m}$ .

8. (original) A luminaire as claimed in claim 7, characterized in that the thickness of the coating (5) ranges from 10 to 100  $\mu\text{m}$ .

9. (currently amended) A luminaire as claimed in claim 1~~-or-2~~, characterized in that the reflecting portion (2) of the reflector body (9) comprises a metal.

10. (original) A luminaire as claimed in claim 9, characterized in that the metal comprises aluminum.

11. (currently amended) A luminaire as claimed in claim 1~~or 2~~, characterized in that the light-transmitting binder (11) comprises a stabilizing agent.